He Proclaims His Father's Death and His Own Accession.

A Sketch of the New Czar-A Good Soldier, a Good Linguist and in Many Ways Resembles His Father —The Future Czarina.

St. Petersburg, Nov. 3.-Emperor Nicholas II. has issued a proclamation announcing the death of his father, Emperor Alexander III., and concluding as follows: "May we be consoled by the consciousness that our sorrow is the sorrow of the whole of our beloved people, and may these people not forget that the strength and stability of holy Russia lies in her unity to us and her unbounded devotion to us. We, however, in this sad and solemn hour, when ascending the ancestral throne of the Russian empire and the czardom of Poland and the grand duchy of Finland, indissolubly connected therewith, in the presence of the Most High, record our solemn vow that we will always make our sole aim the peaceful development of the power and glory of beloved Russia, and the happiness of our faithful subjects."

The proclamation concludes by directing that the oath of allegiance to be taken to him, Emperor Nicholas II., and also to the Grand Duke George, his lineal successor, until God shall vouchsafe to bless with a son the



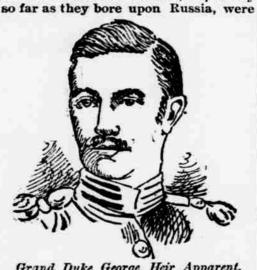
Emperor Nicholas II. anion into which the emperor is about to make with the Princess Alix of Hesse-Darmstadt.

Sketch of Nicholas II. The accompanying sketch of the new czar is from a recent edition of the Co-

longe Gazette, a journal of high standing in Germany: prince was superintended by his governor and tutor, Gen. Danilovitch, a man keenly alive to a sense of duty, highly educated and with a habit of privy to this idea and standing ready looking at all things in a strictly gen- to step into the breach as regent for tlemanly manner, although of a somewhat dry temperament. He brought up his pupil free from prejudices of all kinds, and this was greatly to his credit, since this early education had to be carried out at a time when the hatred of Germany and Germans was at its height in Russia. The scientific

the fashion of a German gymnasium. AS A YOUNG OFFICER. "At the wish of the czar, more atfectionate tone is freely compared with tention was given to modern sciences that of the proclamation published than to the classical work. Dead upon the accession of Emperor Willanguages were not taught at all, and ancient history only up to a certain point, while, on the other hand, the records of recent centuries, especially

education was excellent, but not after



Grand Duke George, Heir Apparent. earefully read. At the same time a good deal of Muscovite history and much that pertained to the rise of his own family was kept back from the prince. The necessary amount of mathematies and a very thorough knowledge of ministers, all in evening dress, went to geography were stilled into him, and the chapel, where they were escorted particular attention was given to the to seats. language and literature of his own country and of Germany, France and

England. A GOOD LINGUIST.

"All these langues Nicholas speaks and writes fluently. He was also thoroughly instructed in constitutional history, law, the administration of the country, finance and political and social economy. The best masters were selected and care was taken that their instructions had not been warped by

"He entered the army at the age of 18 years, and was little more than a child as regards his way of looking upon life at that time. He abhorred the homage of court and official life, and was really happy only when he could frolic in an innocent fashion with his younger fellow-officers, when the elder ones, especially his tutorfor whom he has always entertained the greatest esteem-were out of the way. In this way his character became more independent. He became a and music halls and hundreds of shops good officer, and, although anything are closed. Many public buildings are but a passionate soldier, he is in a position to recognize mistakes and to appreciate efficiency. He is deroted to duty, and does everything that he undertakes thoroughly.

RESEMBLES HIS FATHER.

tacks of hysteria for which Dr. Mosther, but is, in scientific knowl- chejewski recently treated her have in advance of him, and has returned and threaten to break down this advantage over Alexander III., paralysis of the feet. Neverthethat, from his earliest years, he has been brought up as the heir-apparmade that she bears up well under ent, whereas the latter was 20 years her trouble. Her friend and former of age before he came into that posigoverness, Mme. Descalle, a Belgian. tion. He has also, like his father, a certain shyness, which, in his case also, deal of the last few weeks. Mme. Dehas been mistaken for haughtiness. At scalle says that the czar died in peace. home he was brought up in the most loving manner, like all the other children of the imperial family, but the the last scenes as beautiful and imconsciousness of the dignity of the position of the czar was more deeply imressed upon him than upon his broth-

czarina. Dennis Homan, a 16-year-old despera-To him the czar was higher than do, was arrested at Elkhart, Ind.,

LET US BE THANKFUL!

"He has never yet displayed an opin-

on contrary to that of his father, and

it may be pretty positively affirmed

that he will tread in his footsteps.

But one must reckon with one factor-

namely, Nicholas is very easily in-

fluenced, and there is fear lest his

younger counselors, whom he will have

to select later on, should not be in-

spired with such pacific intentions as

the majority of the well-proved coun-

selors of Alexander III., in whom,

though unconsciously, the traditional

friendly feeling for Germany still slum-

THE FUTURE CZARINA.

The little princess who is to be

czarina may have considerable influ-

Princess Alix of Hesse-Darmstadt

ence upon the future of Russia. Half

German, half English, bright, intelli-

gent and possessing a mind of her

own, she may furnish the qualities

which her royal husband lacks.

Princess Alix is 22 years oid, and is

said to be the most beautiful

and most witty of all of

Queen Victoria's grandaughters.

She is the daughter of Prin-

cess Alice of England, and was

left an orphan when she was 6 years

old. While the loss of her mother was

a misfortune in many ways, she was

less hampered by court etiquette than

her royal cousins, and was allowed to

develop an individuality which is as

marked as it is unusual among royal

girls. She is said to be really in love

Report That Nicholas Would Renounce

LONDON, Nov. 3.-It is reported that

the prince and princes of Wales were

Grand Duke Vladimir, the dead em-

peror's brother, is credited with being

AT THE RUSSIAN CAPITAL.

The Young Czar's Manifesto Received

with Delight.

Petersburg correspondent says: "The

young czar's manifesto is received with

open delight, probably unparalleled in

the history of Russian official declara-

tions. The dignified and almost af-

Dispatches from Moscow say that

ters and other places of amusement,

"It is expected that the body of Al-

exander III. will lie in state at Kieff

and Moscow before it will be brought

The Standard's Vienna correspond-

ent says: "Some time ago a deputa-

tion petitioned the czarowitz to inter-

vene for the Russian Jews. A member

of that deputation tells me that the

czarowitz replied: I despise and con-

demn the expulsion of your country-

FRANCE IN MOURNING.

Universal Grief at the Death of the Czar

PARIS, Nov. 3.-President Casimir-

Perier presided over the cabinet meet-

sian chapel. At 11 o'clock the presi-

dent, wearing the grand cordon of the

Legion of Honor, together with the

After the services in the chapel the

president and M. Burdeau went to the

pantheon to salute the tomb of the late

President Carnot, in conformity to the

French custom of visiting the dead on

All Souls' day. Col. Chamoin accom-

panied the president and M. Burdeau

on behalf of the family of M. Carnot.

Both ceremonies were deeply impres-

Mme. Casimir-Perier has wired

message of condolence to the czarina

on behalf of the union of the women of

France. The congress of Ladies' Asso-

ciations for Succoring the Wounded,

sitting at Lyons, adjourned until to-

The Aspect of the Russian Capital Som

bre and Depressing.

has this dispatch from its St. Peters-

LONDON, Nov. 3.-The Central News

"Despite the nominal celebration of

a festival, the aspect of the city is

sombre and depressing. The theaters

draped with mourning. Thousands of

"All dispatches received to-day from

Livadia agree that the czar's death

was peaceful and apparently painless.

less the semi-official statement is

has been with her throughout the or-

praying audibly with Father Ivan to

almost his last breath. She describes

pressive, although agonizing for the

"The ezarina is prostrated. The at-

private citizens have put on black.

day as an evidence of mourning.

burg correspondent:

men, but my hands are tied."

and business is at a standstill.

to St. Petersburg."

LONDON, Nov. 3.-The Standard's St.

the Throne.

with Nichoias and he with her.

acting rashly.

younger brother.

the boy Michael.

liam II.

President Cleveland Issues His Thanksg.v. ing Proclamation, Appointing Thursday, November 29, as a Day of Thanksgiving and Praise to the Supreme Ruler of the Universe for Fostering Care and Blessings Bestowed.

WASHINGTON, Nov. 1.- The president has issued the following: By the President of the United States of Amer-

A Proclamation

The American people should gratefully render thanksgiving and praise to the Supreme Ruler of the universe who has watched over them with kindness and fostering care during the year that has passed; they should also with numility and faith supplicate the Father of All Mercies, for continued blessing according to their needs, and they should, by deeds of charity, seek the favor of the Giver of every good

Therefore, I, Grover Cleveland, president of the United States, do hereby appoint and set apart Thursday, the 29th day of November instant, as a day of thanksgiving and prayer. to be kept and observed by all the people of

On that day let our ordinary work and business be suspended, and let us meet in our accustomed places of worship and give thanks to Almighty God for our preservation as a nation, for our immunity from diseases and pestilence, for the harvests that have rewarded our husbandry, for a renewal of national prosperity and for every advance in virtue and intelligence that has marked our growth as a

And with our thanksgiving let us pray that these blessings may be multiplied unto us, that our national conscience may be quickened to a better recognition of the power and goodless of God, that in our national life we may clearer see and closer follow the path of

And in our places of worship and praise, as well as in the happy reunions of kindred and friends, on that day let us invoke Divine ap proval by generously remembering the poor and Surely He who has given ns comfort and

and our ministrations of charity as the work of hearts truly grateful and as proofs of the sin-Witness my hand and the seal of the United States on the first day of November, in the year of our Lord eighteen hundred and ninetyfour, and of the independence of the United States the one hundred and nineteenth. GROVER CLEVELAND. By the president:

plenty will look upon our relief of the destitute

W. Q. GRESHAM, Secretary of State.

### NEMESIS.

Violent Screed of Banished Nihilista Against the Dying Romanoff.

London, Nov. 1.—The following circular promulgated by the refuge Nihilists in Switzerland and bearing the usual red bomb, revolver and dagger, is circulating in Switzerland and Lon-

"To Our Brothers, the Oppressed in Russia.

"The tyrantAlexander, autocrat-czar, hangman and assassin of Michaeleff. Russalloff, Kibaltchik, Nelotsoff, summoned to Livadia to strengthen the | Sophie Perowskaia, Jesse Halfmann and hands of the czarina in her effort to many others; purveyor of the Siberian control the czar and prevent him from galleys, persecutor of the Jews, is on the point of expiating his crimes.

One story has it that the young man "He is dying of a mysterious illness, would like to take \$150,000 or \$200,000 a a well merited punishment. Venal "The scientific training of the young year and abandon the throne to his hyena, his Zacharins, Hirsches and Popoffs can do nothing to prolong a life which has been devoted to violence and oppression.

"At length the monster is going to disappear. Hurrah! "The day has passed when a man

ought to be able by right of birth to dispose of the liberty and lives of 100,-000,000 of other men. "Let his son, the czarowitz, as well

as his ambitious rivals, the Grand Dukes Vladimir and Michael, who are ready to assassinate, in accordance with the traditions of the Romanoff family, to get possession of the bloody heritage-let all thoroughly understand that every hour and at each step they will find themselves face to face with the inflexible will of the revolutionists.

"Let us leave to the hypocritical liberals the task of covering with flowers oppressive stillness and mournful exthe horrid corpse of the scoundrel who pectation overhang that city. Theais leaving this world after having too banks and exchanges have been closed long dishonored it.

"So long as the Russian slaves do not possess the land, so long as an infernal autocracy, served by a rapacious and shamless feudality, makes Russia a disgrace to the civilized world, we shall always applaud any blow of destiny or provoke it. "Long live liberty and revolution."

THOSE WHO ROB THE MAILS. Rewards Offered for Their Arrest and Conviction

WASHINGTON, Nov. 1.—The postmaster-general has issued a circular offering the following rewards for the detection, arrest and conviction of highway mail-robbers and post office burglars during the fiscal year ending June ing held yesterday morning prior to the requiem services held at the Rus-

First-One thousand dollars for the arrest and conviction of any person, in any United States court, on the charge of robbing the mails while being conveyed in any mail-car attached to a railway train.

Second-Five hundred dollars for the arrest and conviction on the charge of robbing the mails being conveyed over any post route and who wounds the carrier of the mail other than a railway. Third-Two hundred and fifty dol-

lars for the arrest and conviction on the charge of attempting to rob the mails being conveyed over any post route and who assaults or threatens the person carrying the mails. Fourth-From \$100 to \$200 for the ar-

rest and conviction of any person on the the charge of breaking into a post office and stealing therefrom.

All rewards must be claimed within six months from the date of conviction of offenders.

KILLED AND KISSED.

A Wronged Husband Stabs His Wife and

Kisses Her as She Dies.

NASHVILLE, Tenn., Nov. 1.-W. F. MacGrudder, a prominent citizen of White Sulphur Springs, stabbed his wife to death yesterday. After he had intercepted a letter from a man to her he asked her father to come and take her home. While talking over the trouble together, MacGrudder suddenly became enraged and plunged a knife kissed her tenderly. He was 30 years her senior.

## A MURDEROUS PAIR.

Wrecked a Train for Robbery and Intended to Kill Every Soul on Board. MERRIL, Wis., Nov. 1.-Lovitt Hazleton, who is only 22 years old, and claims Brainerd, Minn., as his home, has confessed that he and Frank Williams, who came from Appleton, Wis., were prompted by motives of murder and robbery in wrecking the Minneapolis-Boston limited train on the "Soo" road, near Hearford Junction, the night of October 7, which resulted in the killing of Fireman Charles Cot trell and the injury of Engineer Dutch

howing a Net Increase in the Public Debt for October of Over Thirteen Millions of Dollars.

Washington, Nov. 2.- The debt state ment issued yesterday afternoon shows a net increase in the public debt, less cash in the treasury, during October of \$13,680,853.58. The interest-bearingdebt increased \$50; the non-interest bearing debt increased \$1,101,230, and the cash in the treasury decreased \$12,-579,578.50. The balances of the several classes of debt at the close of business, October 31, were:

Interest-bearing debt, \$635,042,860; debt on which interest has ceased since maturity, \$1,828,280.26; debt bearing no interest \$381,796,476.42-total, \$1,018,-

The certificates and treasury notes ofiset by an equal amount of cash in cline appears during the week the treasury outstanding at the end o. the month were \$607,686,421, a de- that any decline appears, with slackcrease of \$4,950,049. The total cash in ening demand for some products, may the treasury was \$754,546,011.62; the gold reserve was \$61,361,826; net cash balance, \$45,978,319.80. In the month there was an increase

the total at the close being \$125,613,-895.73. Of silver there was a decrease of \$3,795,639,10. Of the surplus there was in national bank depositories \$16,406,247.84, against \$16,365,598.01 at the end of the preced-

in gold coin and bars of \$1,948,138.81,

#### WEH AND YEH AFRAID To Face the Anger of Their Imperial

ing month.

Master-Other War News. LONDON, Nov. 2.-A Central News despatch from Tien-Tsin says that Generals Weh and Yeh, who were recently disgraced for cowardice at Ping Yang, have arrived at Tien-Tsin, but are afraid to proceed to Pekin because of the anger of the emperor.

The Japanese have placed three bridges across the Yalu river, and 15,-000 Japanese soldiers are reported to be

in China. A dispatch from Chee Foo says that Admiral Freemantle, commanding the British fleet, has returned from Tien-Tsin, where he paid a visit to Li Hung Chang. The viceroy gravely offered to buy the Centurion and three other warships of the British squadron. When the admiral explained that the sale of the vessels would be impossible the viceroy persisted in his offer. The Chinese imagine that Admiral Freemantle is holding off for a higher price.

The Chinese fleet left Wei-Hai-Wei October 24 and a naval engagement is expected at any time. There are only four foreigners among the officers and men who man the Chinese fleet.

## GLOOMY FOREBODINGS

Of Coming Troubles Among the Miners of

NEW YORK, Nov. 2 .- A Recorder special from Cincinnati says: A. E. Johnson, one of the largest coal operators in the Hocking valley, prophecies ues, although producers may naturally the most serious labor troubles Ohio has ever known as soon as lake navigation closes. He says: "The coal business has been very bad this year. Prices at the head of the lakes are demoralized, and there has been some quiet cutting. Coal shipments at present to the lakes are heavy, as is usual at this time of year, when it is toward the close of navigation. We are all fearing more serious trouble than heretofore. The operators paying scale wages will insist on a reduction to what the Cleveland & New York company is giving its men. If it is not accepted there will probably be a general shut-down. The seat of the trouble brewing is the Pittsburgh district Ohio operators are contented to accept the Pittsburgh scale with the usual differentials, but the rate of mining must be uniform.

## A DEFAULTER.

A Huntington (W. Va.) Bank Employe Ten Thousand Dollars Short. HUNTINGTON, W. Va., Nov. 2.-It was announced Wednesday night that Charles Wilkinson, the recognized social leader, Sunday-school superintendent and president of the Y. M. C. A., is a defaulter. He has been assistant cashier of the First national bank for five years. A week ago he resigned, ostensibly to take a better position in Cincinnati, and

a warrant was issued for his arrest, charging him with stealing \$10,000. He was to have been married to a daughter of the cashier after the holidays. His friends are trying to make up the deficiency to keep him out of prison, but are not meeting with much success. There is no explanation offered as to the disposition he made of the funds. He did not drink to excess and was never known to

### OUT FOR THE STUFF. Brewer Will Shoot for Money, Not for

Glory Only. KANSAS CITY, Mo., Nov. 2.-J. A. R Elliott, the local wing shot, who recently signed articles for a shoot with Dr. Carver, has received a letter from John L. Brewer, of New York, declining to shoot five matches for the championship of the world, but accepting Elliott's proposition to shoot five

matches for a money consideration. The first two will be shot at Kansas City, the following one at Pittsburgh. Pa., and the other two on some grounds near New York city.

# GOOD FOR GOFF.

He Refused a Ten-Thousand-Dollar Bribe to Betray His Trust.

NEW YORK, Nov. 2.- The Evening Post says that it has indubitable evidence that during the course of the present investigation Mr. Goff was waited upon by a person who offered him \$10,000 as a fee for examining t e title to real estate which was worth less than \$5,000, on condition that be would not call as a witness a certain into his wife's heart. As she died he captain of police. Mr. Goff declined the offer, and ealled the name of that captain the next day.

Betrayers. KNOXVII.E, Tenn., Nov. 2.-Thirteen members of the whitecap band who took part in the battle in which three men were killed last week, in Sevier county, have been arrested. They are: William Ware, Henry McQuan, William Trammel, Arthur and John Seaton, John Martin, Lon Carver, O. L. Montgomery, Horace Davis, D. H. Bates, Isaac, William and Jesse Brown. The Browns confessed and gave the names of the others, who have now sworn to kill their betrayers but are kept in separate cells.

MONTHLY DEBT STATEMENT DUN'S COMMERCIAL REVIEW.

The Near Approach of an Exciting Election Make Trade Indications Uncertain, But It is Satisfactory That the Volume of Production is Well Maintained—No Monetary Difficulties Appear and Breadstuffs Are Higher.

NEW YORK, Nov. 3 .- R. G. Dun & Co.'s weekly review of trade issued today says:

The last week of October, with an exciting election near, cannot indicate much of the true condition of business. In some trades the season is too far advanced for great activity, and in others the supposed effects of the voting hinder operations. But it is satisfactory that the volume of production is well maintained, and in one or two branches increased; that no monetary difficulties disturb, that breadstuffs are a little higher, and that no material dein manufactured products. The fact perhaps be attributed to uncertainties, mainly political in origin, while every increase in the working force helps to make a basis for more business hereafter. At present the volume of business transacted is, on the whole, smaller than last year, and much smaller than in 1892, though a presidential election was then close at hand. Payments through principal clearing houses for the week have been 12.8 per cent. less than last year and 34.4 per cent. less than in 1892. In both comparisons with decrease outside of New York as well as here.

Comparisons of railroad earnings is less valuable because passenger traffic a year ago was extraordinarily large owing to the World's fair, but while the freight movements outside eastbound shows some gain, the east-bound movement from Chicago is a quarter less than last year, and for the month has been 195,458 tons, against 236,302 last year, and about 290,000 in 1892. Earnings for the last week show a decrease of 4.6 per cent., and for the month of October thus far 4.3 per cent., compared with last year, and 11.3 per cent. compared with 1892. While the loss is not as great as in September, it is enough to justify some weakness, and the disorganization of the coal trade and depression of coal carrying stocks helped, so that the average price of railroad stocks declined 75 cents per share for the week, while the average of trust stocks declined 79 cents.

Corn has advanced 4 cents, with western receipts about a third and exports about an eighth of last year's. Pork and hogs are a shade lower, with lard about the same. Wheat is threequarter cents higher for spot, and 1 cent for December, and looks as if strength in corn had prevented a further decline, although western receipts | gas, and then combine the separated were only 4,587,670 bushels for the carbon with hydrogen. Absolutely no week, against 6,503,171 last year, and | practical way of doing these things has Atlantic exports increased to 696,566 been as yet found by man. It is only bushels, against 740,506 last year. The irresistible force is, of course, the of these two reactions is carried out. enormous accumulation, which contin- It may be said that every steam engine be inclined not to sell at current carbon dioxide gas and every pe-

Cotton is again lower, spot being 5.75 cents, with receipts so heavy that large crop estimates are favored, though it makes little difference in the real prospect whether the yield is 500,-000 or 1,000,000 bales greater than the world's requirements, with great stocks of old cotton in sight. The depression of cotton and wheat and the partial loss of the corn crop must be reckoned important because of hestancy

in retail distribution of products. This heritancy affects industries very differently. The boot and shoe manufacture is retarded only in continued preference for low-priced goods, for the number of pairs produced and shipped seems greater than ever-in five weeks 417,661 cases, against 288,864 last year and 385,646 in 1892. There is still a large demand for cheaper goods, crowding beyond their capacity the producers of cheap men's and women's shoes, and while jobbers in wax and kip boots and shoes report smallest sales for years on the whole, the sales of low-priced goods are larger than ever Orders have fallen off of late, but most factories are still well em-

ployed and many have good orders for In the iron industry the chief activity is in structural work, bridge and other plates, while the demand for sheets is somewhat diminished; bar and wire show no improvement, and nails are weaker. The average of quotations for various kinds of iron and steel is 3 per cent. lower than in July, 6.5 per cent. higher than at the lowest point in April, and 20 per cent. lower

than in July last year. The government has sustained a heavy deficit for the month of October, and customs receipts are disappointingly light. Otherwise the money markets reflect only a remarkable absence of commercial demand, though the possible reduction of interest on deposits may lead to some withdrawals of country funds. Exports for the past four weeks were 16 per cent. less than last year, while imports were

9 per cent. greater. Failures continue small, and for four weeks ending October 25, liabilities were \$8,206,892, of which \$3,149,455 were of manufacturing and \$4,991,434 of trading concerns.

Southern failures are comparatively small, and the eastern and western about equal. During the past week failures have been 249 in the United States, against 358 last year and 50 in Canada, against 28 last year.

### A TERRIFIC WIND STORM. Three Churches Wrecked and Much Other

Damage Done.

WILLIS, Tex., Nov. 3.-A terrific wind storm struck this place Thursday night. Three churches were wrecked beyond repair, residences and store houses were damaged to a greater or less degree and outhouses and fences were entirely demolished. Many houses in the country were destroyed and fruit orchards laid waste. No lives are reported lost so far, but full returns are not in. The town of Montgomery suffered severely.

with Fatal Effect. St. Joseph. Mo., Nov. 3.-While a crowd of little boys and girls were playing in the streets of Severance, Kan., Thursday night, near the home of Dan Wood, and making considerable noise, Wood fired into the crowd with a shotgun, fatally injuring Willie Ward and Rosa Delaney and wounding Lizzie Corcoran. Wood was arrested at once by Marshal Hall, and it was with difficulty that the prisoner was kept out of the hands of a mob. As soon as possible he was removed to

Troy to avoid violence.

HOW NATURE MAKES FOOD.

Chemists After the Secret and Think They Will Master It.

While invention has produced many substances which in part replace wood and other organic materials, the fact remains that man is to-day almost as dependent for his comfort and very life on the vegetable world as were his ancestors in more primitive times. The anatomists have had long disputes as to man's place in the scale of food consumption, whether he is properly omnivorous or not. Whether carnivorous or vegetarian, his food derives its ultimate origin in the wonderful chemical decomposition and syntheses effected by the vegetable kingdom. The highest triumphs of synthetic chemistry have not yet succeeded in producing his food from the chemical elements. The production of self-supporting aquaria, consisting of tanks of water in which plant life and fish life are so exactly balanced that there is a miniature selfsupporting world within the four glass plates, has been a favorite scientific amusement with many. On our globe we see a similar thing in the relations of the animal and vegetable kingdoms. Unfortunately, man is not content with exterminating wild animals; he is not satisfied with utilizing for himself all vegetable nature; but he exterminates most recklessly the forests whose leaves are taking care of his own vitiated respiratory products.

The earth contains plant and animal life, each one taking care of the products of the life of the other kind. The animal expires carbon dioxide gas, the product of the combination of oxygen of the air with the carbon of the body. In a plantless globe this gas would constantly increase in the atmosphere. to the eventual deterioration of the air; but the plant life disposes of this product, separates the carbon from the oxygen, and, still more wonderful, effects one of the most difficult of syntheses, and unites the carbon with hydrogen, producing vegetable substance of different kinds. The purification of the air by plants, owing to the enormous volume of the atmosphere and its relatively slow contamination, is of secondary importance to the production of plant substance. On the products of vegetation man depends for nearly everything, for food, raiment and heat. Not content with reckless deforestation, he draws upon the accumulated stores of the preceding geological eras and in burning coal, probably petroleum and natural gas, is drawing upon the remains of vegetation of the carboniferous and other ages.

Plants by their vital power effect two specially difficult chemical actionsthe decomposition of carbon dioxide by a laboratory experiment that either depends for its fuel on decomposed troleum lamp represents the utilization of the decomposition and subsequent synthesis which we have spoken of. In the matter of food man is still more dependent on the vegetable world. Very few artificiallyproduced food products have ever been made, and these few may have their origin traced to some vegetable product. The glucose factories use a product of vegetation as the base of their operation. Until we succeed in bringing chemistry to a point of perfection hardly dreamed of by the most visionary, man will continue to depend upon the soil for his very life. He may selfishly feel that all this is of interest only for subsequent generations, but to every enlightened mind the reckless waste of vegetable resources, among which may be included coal, petroleum and natural gas, is highly repugnant .-Scientific American.

## A STYLISH BACK.

Stoop Shoulders Do Not Go Well With This

"Cultivate an air." Cultivate a back. The styles of this winter are not meant for stoop-shouldered persons or rounded backs. Of course such women can try to wear them, but no matter how rich the gowns and wraps, they will not have any style or "air" about their appear-

An "air" is the best endowment : woman may have. She may be rich, but a failure in appearance. She may be given a face like a houri's, but if she hasn't an "air" she isn't a complete

One important feature of an "air" is "back." A "back" is within reach of almost any woman. When you have learned how to stand, every morning after your bath take the correct standing position. If you have chest weights, use those. If not, throw the shoulders firmly back till the blades almost meet Do that a number of times. Then put them well back, draw a deep, full breath and make the rotary motion with the shoulder joint that is made in rowing. Repeat this whole programme

dozen times. Preserve the correct position of the knees, legs, back and shoulders when walking, and remember to think while ou are walking and draw deep, long breaths very often. Persist in this and you will be surprised to see the change n the shape of your back. Instead of padding the top of the backs of your dresses because the curves are low down even with the bust line your dress maker will be compeled to omit it and fit the backs of your dresses to give you more breathing space.

You will be on the road to acquiring that fine shapely back which is the reward of women who spend dollars in gymnasiums and swimming baths to acquire it. Insist, moreover, that your dressmaker shall give you room across the top of the backs of your dresses. If you do this your waist will seem more slender by contrast.

When you acquire a back then you may find yourself in the possession of the stylish appearance you have long wanted.-Phiradelphia Times.

Sam-Can a man on a salary of three thousand a year marry and live in any kind of style in New York? John-Beautifully-if the woman he marries has ten thousand a year to fall back on in case of a pineh.-Detroit Free Press.

Wilks-I heard the girls talking today about some fellow they said could make any woman happy. I wonder who it is? Jilks--Spriggs, the man milliner .-

Detroit Tribune.

Anxious to Participate Small Son-Some of the boys is starting a little bank, just for fun. The shares is to be ten cents each.

Father-Would you like to be one of the shareholders? Small Son-Oh, no; but I'd like to be one of the borrowers.—Good News.

Enough to Break All Ties. Emmeline-So Marie's engagement is broken. I thought she and Harry loved each other devotedly. Maude-So they did; but they went out sailing together last week and both

got sea sick.-Judge. In New York, of Course. New Policeman-And where is your permit to peddle? Peddler-I have a verbal permit. "Show it to me."-Alex Sweet, ir

Texas Siftings. Proof Positive.

angel.—Tammany Times.

Little Tommy-Mamma, papa has been drinking. Mother-What makes you think so? Tommy-He said that you were an

The Compensation of Adversity. Richleigh-Lord, I wish I were you. Poorleigh-For heaven's sake, why? Richleigh-Why, you can have the fun of proposing to every girl you meet

and be sure of being refused! Future Possibilities. "Spillat is an awful mean man." "What did he do?" "His wife's a political candidate and

he gave his vote to her for a birthday

present."-Chicago Record. To Save Time. Clerkets-Shall I send this bundle? Mrs. Hicks-N-no, I can just as well carry it; you can send the change, though, if you will.-N. Y. World.

"My wife is a wonderful woman," said Jarley. "Give her time and a shoe button, and, by Jove, she'll make a bonnet out of it."-Harper's Bazar.

## Hood's Is the Best

Fall Medicine, because it purifies. vitalizes and enriches the blood, and therefore gives strength to resist bad effects from Colds, Catarrh, Rheumatism, Pneumonia, Malaria, the Grip, etc. Take it now and avoid the danger of serious illness. It may save you many dollars in doctors' bills.

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first bottle, and a perfect cure is warranted when the right quantity is taken. When the lungs are affected it causes shooting pains, like needles passing through them; the same with the Liver or Bowels. This is caused by the ducts being stopped, and always disappears in a week after taking it. Read the label.

If the stomach is foul or bilious it will cause squeamish feelings at first. No change of diet ever necessary. Eat the best you can get, and enough of it. Dose, one tablespoonful in water at bedtime. Sold by all Druggists.

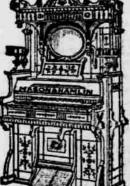
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